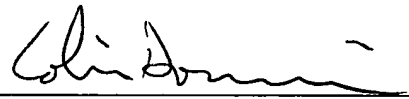


Appln No. 10/628,675
Amdt date April 7, 2004

REMARKS/ARGUMENTS


Claims 2-31 are now pending in this application. Claim 1 has been canceled. Claims 2-31 have been added. The new claims find full support in the original specification and claims. No new matter has been added. Applicant respectfully requests that the above amendments be entered prior to examination of the application.

Respectfully submitted,
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ABSTRACT OF THE DISCLOSURE



A method of transmitting and receiving data packets over a channel susceptible to random burst and/or white gaussian noise channel errors. Each data packet is encoded, interleaved and modulated to form modulated interleaved error correctable encoded data packets, which are then transmitted over the channel. The channel can be a telephone line. The encoding includes performing Reed Solomon encoding on each data packet to form Reed Solomon error correctable encoded data packets. The modulated interleaved error correctable encoded data packets are received from the channel, and demodulated, deinterleaved and decoded to extract each transmitted data packet. The decoding includes performing Reed Solomon decoding on each deinterleaved demodulated error correctable encoded data packet to form Reed Solomon decoded data packets. Each data packet or Reed Solomon decoded data packet is cyclic redundancy check encoded, or decoded, respectively after performing Reed Solomon encoding or decoding.

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